

## SYLLABUS

**Instructor:** Dr. Kejian Shi  
**e-mail:** shikejian@fhda.edu  
**Office Hour:** Mondays, 10:00am-11:00am virtual office hour via zoom on canvas

**Prerequisites:** Math 1C (with a grade of C or better), or equivalent  
**Textbook:** *CALCULUS – Early Transcendentals*, 9<sup>th</sup> E (California Edition), by James Stewart  
**Materials:** Graphing calculator recommended

**Attendance:** This class is an **online asynchronous class**. My daily lecture videos will be posted on the Canvas. Students are expected to watch and study the videos daily. Different people can watch at different times during the day. The videos can be watched multiple times. Questions will be answered during office hours or through email. **(It is the students' responsibility to drop by the appropriate deadline. Petitions to drop after the deadline will not be considered by the instructor.)**

**Homework:** Homework is the key to success in this class. Plan to devote a minimum of **TWO hours** to homework for each class lesson.

**Quizzes:** **Three Quizzes** (33, 33, and 34 points) will be given from **8:00pm-8:45pm** on the quiz day. No makeup quizzes. Quiz problems are similar to homework problems and lecture examples.

**Midterms:** **Two midterm examinations** (100 points each) will be given from **8:00pm-9:00pm** on the midterm exam day. No makeup except for extenuating circumstances assuming the student notifies the instructor as soon as the emergency arises.

**Final Exam:** **One comprehensive examination** will be given from **8:00pm-10:00pm** on **Wednesday, March 27, 2024**. Any student missing the final will receive an F grade for the course.

**Integrity:** Any types of cheating are not tolerated. Corresponding school rules will be followed.

Grading:	<u>Distribution</u>		<u>Scale</u>		
			Grade	Points	Percentage
Quizzes	100		A+	473-500	95%-100%
			A	448-472	90%-94%
			A-	438-447	88%-89%
			B+	423-437	85%-87%
			B	398-422	80%-84%
Midterms	200		B-	388-397	78%-79%
			C+	373-387	75%-77%
			C	323-372	65%-74%
			D+	298-322	60%-64%
			D	288-297	58%-59%
Final Exam	200		D-	273-287	55%-57%
			F	0-272	0%-54%
			Total	500	

Math 1D-51Z Tentative Schedule (Winter 2024):

Winter 2024								
	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY	Wk
Jan	8 INSTRUCTION BEGINS 14.1	9	10	11	12	13	14	1
Jan	15 M L K Holiday (No class)	16 14.2	17 14.3	18 14.3	19 14.4	20 <i>Last Day to Add</i>	21 <i>Last Day to Drop without a W</i>	2
Jan	22 Census Day	23	24	25	26	27	28	3
Jan / Feb	29 14.6	30 14.7	31 14.7	1 14.8	2 15.1	3	4	4
Feb	5 Solutions	6 15.4	7 15.4	8 15.5	9 15.6	10	11	5
Feb	12 15.6	13 15.7	14 15.8	15 Quiz #2 9:00pm-9:45pm	16 <i>Lincoln's B-Day Holiday (No class)</i>	17-18 <i>President's Weekend</i>		6
Feb	19 <i>Washington's B-day Holiday (No class)</i>	20 15.9	21 15.9	22 16.1	23 16.2	24	25	7
Feb / March	26 16.2	27 16.3	28 16.3	29 Review	1 1 <i>Last day: drop with a W</i> Exam #2 8:00pm-9:00pm	2	3	8
March	4 Solutions	5 16.4	6 16.4	7 16.5	8 16.5	9	10	9
March	11 16.6	12 16.6	13 16.7	14 16.7	15 Quiz #3 8:00pm-8:45pm	16	17	10
March	18 16.8	19 16.8	20 16.9	21 16.9	22 Review	23	24	11
March	25	26	27 Final Exam 8:00pm-10:00pm	28	29	30	31	12

Sections	Problems
14.1	1, 4, 7, 10, 18, 21, 25, 31, 45, 48, 68
14.2	5, 8, 11, 14, 17, 20, 26, 29, 32, 35, 38, 41
14.3	1, 4, 7, 10, 15, 18, 21, 24, 27, 30, 33, 36, 39, 42, 45
14.3	48, 51, 54, 57, 60, 63, 66, 69, 72, 75, 78, 81, 84, 87
14.4	1, 4, 7, 11, 14, 17, 21, 24, 27, 30, 33, 36, 39, 42, 45
14.5	1, 4, 7, 10, 13, 16, 19, 22, 25, 28
14.5	31, 34, 37, 40, 43, 46, 49, 52, 55, 58
14.6	4, 7, 10, 13, 16, 19, 22, 25, 28, 41, 44, 51, 55
14.7	1, 4, 7, 10, 13, 16, 19, 22, 31, 34, 37, 43, 47, 50, 59
14.8	1, 4, 7, 10, 13, 16, 19, 22, 25, 30
15.1	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40, 47, 50
15.2	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31
15.2	35, 37, 40, 45, 48, 51, 54, 57, 60, 62, 65, 68
15.3	1, 4, 6, 7, 10, 13, 16, 19, 22, 25, 29, 32, 34, 37, 40
15.4	1, 4, 7, 10, 13, 16, 19, 22, 28
15.5	1, 4, 7, 10, 13, 21, 24
15.6	2, 4, 7, 10, 13, 16, 19, 22, 25, 28
15.6	31, 34, 35, 37, 40, 43, 46, 48, 51, 54
15.7	1, 4, 6, 8, 9, 11, 15, 18, 21, 24, 27, 30
15.8	1, 4, 6, 8, 10, 13, 16, 18, 20, 23, 26, 29, 32, 35, 42, 48
15.9	1, 4, 7, 10, 11, 14, 16, 19, 22, 25, 27
16.1	1, 4, 7, 10, 13, 16, 21, 24, 25, 31, 34
16.2	1, 4, 7, 10, 13, 16, 19, 22, 25, 33, 36, 39, 42, 45, 48
16.3	1, 4, 7, 10, 13, 16, 19, 22, 24, 26, 29, 32, 35
16.4	1, 4, 7, 10, 11, 14, 17, 21, 24, 27
16.5	1, 4, 7, 10, 12, 15, 18, 21, 24, 27, 30, 33, 34
16.6	1, 4, 13, 16, 19, 22, 25, 33, 36, 39, 42, 45, 48, 51, 61, 62
16.7	1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 37, 40, 43, 46, 49
16.8	1, 4, 7, 10, 13, 16, 19, 20
16.9	1, 4, 7, 10, 13, 17, 19, 24, 26, 29

**Student Learning Outcome(s):**

- Apply analytic, graphical and numerical methods to study multivariable and vector-valued functions and their derivatives, using correct notation and mathematical precision.
- Use double, triple and line integrals in applications, including Green's Theorem, Stokes' Theorem and Divergence Theorem.
- Synthesize the key concepts of differential, integral and multivariate calculus.

**Office Hours:**

W	10:00 AM	11:00 AM	Canvas,Zoom
TH	11:00 AM	12:00 PM	In-Person S-16A
T	10:00 AM	11:00 AM	Zoom,Canvas
M	10:00 AM	11:00 AM	Zoom,Canvas